

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 4    | ("20020033083"   "5913955").PN.  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2008/10/14 07:14 |
| S3    | 2    | "5170103".pn.  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2008/10/14 09:08 |
| S4    | 524  | 82/118.ccls.   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND              | ON      | 2008/10/14 09:20 |
| S5    | 492  | 82/118.ccls.   | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND              | ON      | 2008/10/14 09:21 |
| S6    | 1    | ("2002/0033083").URPN.   | USPAT  | AND              | ON      | 2008/10/14 09:25 |
| S7    | 23   | ("20040155558"   "3671840"   "4409659"   "4620121"   "4741231"   "4849668"   "5043621"   "5170103"   "5315203"   "5374011"   "5485053"   "5687462"   "5810528"   "5816122"   "5913955"   "5938503"   "6008610"   "6069433"   "6146060"   "6208497"   "6694213"   "6776563"   "6925915").PN. OR ("7340985").URPN. | US_PGPUB; USPAT; USOCR                                   | AND              | ON      | 2008/10/14 09:26 |
| S8    | 14   | ("4849668"   "5170103"   "5315203"   "5558477").PN. OR ("6925915").URPN.   | US_PGPUB; USPAT; USOCR                                   | AND              | ON      | 2008/10/14 09:27 |
| S9    | 19   | ("3207009"   "3466970"   "3642378"   "5170103"   "5558477"   "5810528").PN. OR ("5913955").URPN.   | US_PGPUB; USPAT; USOCR                                   | AND              | ON      | 2008/10/14 09:29 |

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| S10 | 171     | 82/904.ccls.                     | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>10:08 |
| S11 | 997612  | elastic                          | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:18 |
| S12 | 697304  | actuator                         | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:18 |
| S14 | 46432   | accelerometer                    | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:19 |
| S15 | 246881  | piezoelectric                    | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:19 |
| S16 | 206449  | shunt\$3                         | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:20 |
| S17 | 1411790 | rubber                           | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:20 |
| S18 | 1695078 | (drilling or milling or turning) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:21 |
| S19 | 909274  | vibration\$3                     | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/14<br>10:21 |

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| S20 | 106     | S12 and S14 and S15 and S15 and S11 and S17 and S18 and S19  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/14 10:21 |
| S22 | 60310   | lathe  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/14 10:27 |
| S24 | 15      | S12 and S14 and S19 and S22 and S11  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/14 10:28 |
| S26 | 101     | S12 and S19 and S11 and S22  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/14 10:32 |
| S27 | 17      | ("3819916"   "4713770"   "4748554"   "4931949"   "5115403"   "5159836"   "5251151").PN. OR ("5506786").URPN. | US_PGPUB; USPAT; USOCR                                   | AND | ON | 2008/10/14 10:39 |
| S28 | 61      | 82/905.ccls.   | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND | ON | 2008/10/14 10:43 |
| S29 | 3       | 82/905.ccls. and actuator  | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND | ON | 2008/10/14 10:43 |
| S30 | 7922945 | material   | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND | ON | 2008/10/14 10:44 |
| S31 | 204832  | S11 near4 S30  | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND | ON | 2008/10/14 10:44 |
| S32 | 30757   | S15 near4 S12  | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB        | AND | ON | 2008/10/14 10:45 |

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| S33 | 167 | S31 same S32   | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>10:45 |
| S34 | 290 | (S31 and S32) and damping  | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>10:49 |
| S35 | 143 | (S31 and S32) and damping and rubber                                       | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>10:54 |
| S37 | 246 | ((elastic near10 material) and rubber damping and actuator and tool        | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>11:00 |
| S39 | 156 | ((elastic near10 material) same actuator) and rubber and damping           | US_PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/14<br>11:14 |
| S40 | 104 | 82/903.ccls.   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/16<br>08:24 |
| S41 | 4   | ("5345672"   "5485678"   "6101911"   "6227085"). PN. OR ("6813979"). URPN. | US_PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/10/16<br>08:27 |
| S42 | 13  | 82/903.ccls. and actuator  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/16<br>08:28 |
| S43 | 15  | 82/163.ccls. and actuator  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/16<br>08:35 |

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| S44 | 23 | ("20020036091"   "20020057040"   "20020083805"   "2736144"   "3559259"   "4455469"   "4651599"   "4742260"   "4856391"   "4911044"   "5218893"   "5438229"   "5448128"   "5548176"   "5760527"   "5913955"   "6242846"   "6637303").PN. OR ("6776563").URPN. | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 08:41 |
| S45 | 2  | "4849668".pn.  | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:04 |
| S46 | 2  | "5485053".pn.  | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:04 |
| S47 | 25 | ("4626730").PN. OR ("5485053").URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:07 |
| S48 | 20 | 82/162.cls. and actuator   | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:15 |
| S49 | 47 | 82/158.cls. and actuator   | US_PGPUB; USPAT; USOOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:24 |
| S50 | 7  | ("20020036091"   "20020083805"   "3642378"   "4553884"   "5170103"   "6661157"   "6925915").PN. OR ("7234379").URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:26 |
| S51 | 29 | ("4104920"   "4365181"   "4553884"   "4565940"   "4583912"   "4615504"   "4620121"   "4713770"   "4721447"   "4741231"   "4799472"   "4842450").PN. OR ("5170103").URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:33 |

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| S52 | 14  | ("4019015"   "4451892"   "4669359"   "4672550"   "4741231"   "4817007"). PN. OR ("4986150"). URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:43 |
| S53 | 10  | 82/157.ccls. and actuator  | US_PGPUB; USPAT; USOOCR; FFPS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:46 |
| S54 | 32  | ("20020035231"   "20030108710"   "20030112521"   "20040035266"   "20040045419"   "20040109663"   "20050223859"   "5063322"   "5291812"   "5467675"   "6040653"   "6170367"   "6237452"   "6322236"   "6354709"   "6356391"   "6560026"   "6581286"   "6597968"   "6707611"   "6811274"   "6814113"   "6844950"   "6845212"   "6862141"   "6909482"   "6925915"   "6945099"   "6951400"   "6952627"   "7089836"   "7101694"). PN. OR ("7395741"). URPN. | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:47 |
| S55 | 26  | ("3058559"   "3432213"   "3508430"   "3658393"   "3781070"   "3899222"   "4630942"   "4648724"   "4865465"). PN. OR ("5063322"). URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 09:51 |
| S56 | 601 | 82/157.ccls.   | US_PGPUB; USPAT; USOOCR; FFPS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 09:53 |
| S57 | 9   | ("4031368"   "4409659"   "4724524"   "4741230"   "4849668"   "5170103"   "5485053"   "5913955"). PN. OR ("6694213"). URPN.   | US_PGPUB; USPAT; USOOCR                                   | AND | ON | 2008/10/16 10:05 |

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| S58 | 27753  | (elastic OR rubber) same actuator     | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 10:44 |
| S59 | 9872   | (elastic OR rubber) near10 actuator   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 10:45 |
| S60 | 6385   | (elastic OR rubber) near5 actuator    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 10:45 |
| S61 | 1      | shunted adj force adj actuator        | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:14 |
| S62 | 5      | shunted near10 force near10 actuator  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:14 |
| S63 | 44     | shunt\$2 near10 force near10 actuator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:15 |
| S64 | 51244  | piezoelectric actuator                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:29 |
| S65 | 216608 | elastic near3 material                | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:29 |
| S66 | 2696   | S64 and S65                           | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2008/10/16 11:29 |

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| S67 | 2689   | S64 and S65   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/16<br>11:30 |
| S68 | 416483 | damp\$3   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/16<br>11:31 |
| S69 | 602    | S64 and S65 and S68   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/16<br>11:31 |
| S70 | 2      | "5589723".pn.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | AND | ON | 2008/10/16<br>11:38 |
| S71 | 14     | ("4849668"   "5170103"  <br>"5315203"   "5558477").<br>PN. OR ("8925915").<br>URPN. | US-PGPUB;<br>USPAT; USOCR   | AND | ON | 2008/10/16<br>13:40 |
| S72 | 2      | "5024638".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | AND | ON | 2008/10/16<br>13:59 |

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